## (19) World Intellectual Property Organization International Bureau



## 

(43) International Publication Date 24 June 2004 (24.06.2004)

PCT

## (10) International Publication Number WO 2004/053138 A1

- (51) International Patent Classification7: C12N 015/12, AG1P 035/00
- (21) International Application Number:

PCT/AU2003/001634

- (22) International Filing Date: 5 December 2003 (05.12.2003)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 2002953223

6 December 2002 (06.12.2002)

- (71) Applicant (for all designated States except US): THE CORPORATION OF THE TRUSTEES OF THE ORDER OF THE SISTERS OF MERCY IN QUEENS-LAND [AU/AU]; Raymond Terrace, South Brisbane, Queensland 4101 (AU).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): HART, Derek, Nigel, John [NZ/AU]; 3 Borva Street, Dutton Park, Queensland 4101 (AU). KATO, Masato [JP/AU]; c/-Mater Medical Research Institute, Aubigny Place, Raymond Terrace, South Brisbane, Queensland 4101 (AU).

- (74) Agents: OBRANOVICH, Tania, D. et al.; Davies Collison Cave, 1 Nicholson Street, Melbourne, Victoria 3000 {AU}.
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC. SD. SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, 2M, ZW.
- (84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, M2, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: DEC-205 (LY 75) / DCL-1 INTERGENIC SPLICE VARIANTS ASSOCIATED WITH HODKIN'S DISEASE, AND USES THEREOF

(57) Abstract: The inventors have identified intergenically spliced DEC-205/DCL-1 mRNAs, which encode the intact DEC-205 ectodomain together with an additional carbohdrate recognition domain, a transmembrane domain and a cytoplasmic domain derived from DCL-1. These DEC-205/DCL-1 intergenic splice variants were identified on Reed-Sternberg cells and thus have application in the therapy and investigation of Hodgkin's disease.

